Essential Questions for Math Grade 5	
Module 1: Whole Number and Decimal Fraction Place Value to the One-Thousandths	1. How is a multi-digit number changed when a digit in one place move to the left or right? 2. What pattern emerges in the number of zeroes in the product when multiplying by powers of ten? 3. What pattern emerges in the placement of the decimal point when a decimal is multiplied or divided by a power of 10? 4. How can you read and write decimals using base 10 numerals, word form, and expanded form? 5. How can you round decimals to various place values? 6. How do you compare decimals using >, <, and = symbols?
Module 2: Multi-Digit Whole Number and Decimal Fraction Operations	1. How do you divide four digit dividends by two digit divisors to find a whole number quotient? 2. Using decimals, how can you add, subtract, multiply and divide to the hundredths? 3. How can you use multiple grouping symbols (parentheses, brackets, or braces) in numerical expressions? 4. How can you write simple expressions that model calculations with numbers?
Module 3: Addition and Subtraction of Fractions	1. How do you add and subtract fractions (including mixed numbers) with unlike denominators? 2. How can you computate fractions using information presented in a line plot?
Module 4: Multiplication and Division of Fractions and Decimal Fractions	1. How do you multiply a fraction or mixed number by a fraction? 2. How do you demonstrate an understanding of multiplication as scaling/resizing? 3. How do you divide unit fractions by whole numbers and whole numbers by unit fractions? 4. Using a provided table of equivalencies, how do you convert among different sized measurement units? 5. How can line plots be used to help solve problems involving computation of fractions? 6. How can tallies, tables, charts, pictographs, and line graphs be used to interpret data? 7. Using the title, appropriate scale, and labels, how can you display and interpret data?
Module 5: Addition and Multiplication with Volume and Area	1. How can you classify two dimensional figures based on their properties? 2. How can you apply appropriate formulas to find volumes of right rectangular prisms when solving real world and mathematical problems? 3. How can you find volumes of solid figures composed of two non-overlapping right rectangular prisms?
Module 6: Graph Points on the Coordinate Plane to Solve Problems	1. How can you generate, analyze, and compare a variety of numeric patterns? 2. How do you identify parts of quadrant 1 on the coordinate plane? 3. How can I solve problems involving computation of fractions by using information presented in line plots? 4. How can you display and interpret data?